

## ABSTRACT OF THE DISCLOSURE

5 A cooling device includes a printed circuit board having a hole, a light valve disposed on the front surface of the printed circuit board, and a thermal diffuser disposed on the back surface of the printed circuit board. Therefore, the thermal diffuser can contact the light valve through the whole, and directly receives heat from the light valve. Guided by partition wall and channels, a fan of the thermal diffuser sucks airflows into stream channels to fully exchange heat with diffuser fins for cooling the light valve, so that the cooling efficiency of the light valve can be increased. Then, the airflows blow and cool the printed circuit board to form an integrated cooling system.